

All COR ISO Recommendations

Latent Condition, Seismic and ISS

Friday, October 12, 2012 11:28:25 AM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
ISS	752	Cracking	LPG Storage	2006	3C1	Improve thermodynamics or kinetics to reduce operating pressures and temperatures?	Control valves to fuel gas to control pressure, External water deluge, PSV's Other outside facilities use an internal cooling system to control pressure and temperature. Insulation of spheres is not advisable due to undetected external corrosion issues. Note: Refrigeration system used on supply to propane spheres only.	Regarding T-3145, look into how to change the LPG composition from D&R or installing a cooling system at the sphere.	Changing composition and /or installing a complete re Fridgeration system on D&R's LPG stream would not be cost effective at this time	2/19/2007	Beatham, Keith	Completed
ISS	758	Cracking	LPG Storage	2006	3G1	Design equipment to contain process on temperature rise from loss of cooling?	Inspection programs; Codes; Cleaning cooling equipment on an as needed basis. This applies to the propane system.	Include the propane cooler on a preventative maintenance program to clean and service.	Task has been added to a monthly preventive maintenance program performed by carrier air conditioning service	2/9/2007	Beatham, Keith	Completed
Seismic	411	Cracking	LPG Storage	2006		Near 6502 Spot		Need to re-grout pipe support near 6502 spot next to ladder on south-side to prevent further corrosion.	Pipe support was re-grouted.	6/4/2007	Beatham, Keith	Completed
Seismic	412	Cracking	LPG Storage	2006		T-3211 and T-3212 vent manifolds at ground level.		Support manifolds at ground level.	EWO is issued to fabricate new pipe supports. Temporary supports are in-place.	2/8/2007	Stock, Bryon D.	Completed
Seismic	413	Cracking	LPG Storage	2006		V-768 inlet piping.		Replace missing pipe support and raise piping off soil.	The line was re-evaluated for its support requirements and there are no issues with the pipe supports. The pipe will be raised off the soil in a separate work order - but this is not a seismic issue.	6/4/2007	Beatham, Keith	Completed
Seismic	414	Cracking	LPG Storage	2006		Pipe-way between V-745 and P-774	Pipe-way between V-745 and P-774 including lab sheds and main breaker bank near lab shack has corroded base plates.	Replace corroded base plates.	Support legs were repaired per EWO # 2314. Verified by M. Plantin on 5/31/07. Signed off by M. Tirona.	6/4/2007	Beatham, Keith	Completed
Seismic	415	Cracking	LPG Storage	2006		T-1828		Repair all T-1828 pier foundations as exposed rebar is corroded and there is spalled concrete.	The cracked cement was removed and the rebars were coated. New cement was poured to complete the repair	6/4/2007	Beatham, Keith	Completed

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Seismic	429	Cracking	LPG Storage	2006		V-746, P-746/A, P-2501, P-700/A.		Repair pipe dummy leg guide.	EWO was issued to replaced dummy leg. Waiting for maintenance to schedule and complete work. Temporary supports are in place - new spool is being fabricated. Piping is adequately supported.	6/4/2007	Tirona, Martin	Completed
Seismic	430	Cracking	LPG Storage	2006		Propane loading manifold	At the Propane loading manifold behind P-700, P770/A, P-745/A, V-745.	Inspect skirt base for corrosion and compare with t minimum.	The skirt base was re-evaluated by Tom Farr and Al Greene (Civil Engineers) and determined that no work was needed.	6/4/2007	Beatham, Keith	Completed
Seismic	431	Cracking	LPG Storage	2006		E-745, Iso-olefin manifold near V-745.		Repair manifold dummy leg guides.	Dummy leg was re-inspections and no issues were found.	6/4/2007	Beatham, Keith	Completed
Seismic	432	Cracking	LPG Storage	2006		light standards at truck loading rack	Four light standards at truck loading rack and propane cooler skid and truck loading pipe-way	Further evaluation required to determine degree of corrosion of anchor bolts. Contact Al Greene for further assistance	The anchor bolts were wire brushed and coated to prevent further corrosion.	2/8/2007	Stock, Bryon D.	Completed
Seismic	433	Cracking	LPG Storage	2006		T-3206, T-3207, T-3208.	Repair deluge piping leak at T-3207 and repair guides on vent manifold piping.	Repair deluge piping leak at T-3207 and repair guides on vent manifold piping.	EWO issued to Maint.	2/8/2007	Stock, Bryon D.	Completed